



# National Weather Service

## Storm Data and Unusual Weather Phenomena



December 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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### CONNECTICUT, Northeast

CTZ002>004

Hartford - Tolland - Windham

01	0800EST 1800EST	0	0						Strong Winds
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Strong west to northwest winds occurred in the wake of a cold front associated with an intense low pressure system moving northward through Quebec. Peak wind gusts were generally in the range of 40 to 50 mph. A peak gust to 47 mph was reported at Bradley International Airport in Windsor Locks. There were no reports of damage.

CTZ002

Hartford

07	1200EST 1500EST	0	0						Record Warmth
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Unseasonably warm temperatures occurred throughout much of the state. High pressure over the western Atlantic generated an unusually warm westerly wind flow. A new record high temperature for the month of December of 76 degrees was established for Hartford at Bradley International Airport in Windsor Locks. The previous record was 74 degrees set on December 29, 1984. The maximum temperature of 76 degrees also shattered the previous record high for December 7, which was 62 degrees set in 1953. Incidentally, this came a few days after the record high for December 4 was tied. That record was 71 degrees which was originally set in 1982.

CTZ002

Hartford

29	2200EST	0	0						Heavy Snow
30	0300EST								

A low pressure system passing southeast of Cape Cod brought some isolated snowfall amounts totaling around 6 inches to the highest elevations of northern Hartford County. One report of 6.2 inches was received from North Granby.

### MASSACHUSETTS, Central and East

MAZ002>024

Western Franklin - Eastern Franklin - Northern Worcester - Western Middlesex - Western Essex - Eastern Essex - Western Hampshire - Western Hampden - Eastern Hampshire - Eastern Hampden - Southern Worcester - Western Norfolk - Southeast Middlesex - Suffolk - Eastern Norfolk - Northern Bristol - Western Plymouth - Eastern Plymouth - Southern Bristol - Southern Plymouth - Barnstable - Dukes - Nantucket

01	0800EST 1800EST	0	3	10K					Strong Winds
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MAZ005-013

Western Middlesex - Western Norfolk

01	0936EST 0938EST	0	0						High Wind (G55)
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Strong west to northwest winds occurred in the wake of a cold front associated with an intense low pressure system moving into Quebec. The only reported damage was just after noon in Holbrook, in Norfolk County, when strong winds blew the roof off a warehouse sending debris crashing into a neighboring body shop. The four by eight section of roof fell on three people and totalled a car. The peak wind gusts were generally between 40 and 55 mph, but the strongest gusts included 63 mph in Tyngsboro and 58 mph at the Blue Hill Observatory in Milton.

MAZ004-013-015

Northern Worcester - Western Norfolk - Suffolk

07	1200EST 1500EST	0	0						Record Warmth
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Unseasonably warm temperatures occurred throughout much of the state. High pressure over the western Atlantic generated an unusually warm westerly wind flow. A new record high temperature for the month of December of 72 degrees was established for Worcester at Worcester Airport. The previous record was 70 degrees on December 29, 1984. The high of 72 degrees also shattered the previous record high temperature for the date, which was 63 degrees set in 1932. In Boston, the high temperature of 76 degrees at Logan Airport also set a new record high temperature for the month of December. The previous record was 73 degrees set on December 29, 1984. The high of 76 degrees shattered the previous record high for the date, which was 66 degrees set in 1932. At Blue Hill Observatory in Milton, the high of 74 degrees set a new record high for the month of December. The previous record was 72 degrees on December 29, 1984. The high of 74 degrees also shattered the previous record high for the date, which was 62 degrees set in 1932. Incidentally, the high temperature of 61 degrees at Blue Hill Observatory on December 2 broke the previous



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### MASSACHUSETTS, Central and East

			record high of 59 degrees.						
MAZ022			<b>Barnstable</b>						
	18	0400EST 1800EST			0	0			<b>Strong Winds</b>
	Strong northwest winds buffeted the outer portion of Cape Cod where Provincetown reported sustained winds of 30 to 35 mph with gusts as high as 45 mph for a period of about 12 hours. There were no reports of damage.								
MAZ002>024			<b>Western Franklin - Eastern Franklin - Northern Worcester - Western Middlesex - Western Essex - Eastern Essex - Western Hampshire - Western Hampden - Eastern Hampshire - Eastern Hampden - Southern Worcester - Western Norfolk - Southeast Middlesex - Suffolk - Eastern Norfolk - Northern Bristol - Western Plymouth - Eastern Plymouth - Southern Bristol - Southern Plymouth - Barnstable - Dukes - Nantucket</b>						
	22	0600EST 1900EST			0	0			<b>Strong Winds</b>
MAZ013			<b>Western Norfolk</b>						
	22	1400EST			0	0			<b>High Wind (G54)</b>
	The passage of a strong cold front brought gusty northwest west to northwest winds and an end to unseasonably mild temperatures. Peak wind gusts reached 45 to 55 mph across the higher elevations as well as in eastern Massachusetts, including Cape Cod, but a peak gust of 62 mph was reported at the Blue Hill Observatory in Milton. Some of the higher gusts reported include 56 mph at Sandwich, 50 mph at Winthrop, 48 mph at Worcester, 47 mph at Pocasset, and 46 mph at Falmouth and Plymouth. There were no reports of damage.								
MAZ014>016			<b>Southeast Middlesex - Suffolk - Eastern Norfolk</b>						
	22	2030EST 2230EST			0	0			<b>Snow Squalls</b>
	Sudden snow squalls near the beginning of the evening rush hour in the Greater Boston area brought a dusting to an inch of snow which quickly iced area roads. Multiple car accidents occurred on several bridges. Scores of skidding accidents resulted in gridlock on a number of streets in and around the City of Boston. There were also several serious accidents on the Expressway. This event set a record for the latest date of the first measurable snowfall in any season in the Greater Boston area.								
MAZ018>023			<b>Western Plymouth - Eastern Plymouth - Southern Bristol - Southern Plymouth - Barnstable - Dukes</b>						
	24	0000EST 1200EST			0	0			<b>Heavy Snow</b>
	A low pressure system intensified as it moved across the offshore waters during the early morning hours. This storm system brought the heaviest snowfall to southeast coastal Massachusetts, where the snow lasted nearly 10 hours. The northern fringe of the snow reached the northern and northwest suburbs of Boston. The greatest snowfall reported was over 9 inches over the south part of the town of Plymouth. Other totals of 6 inches or more included 8 inches in downtown Plymouth, Provincetown, and Truro; 7.5 inches in Cataumet; 7 inches in Eastham, Sandwich, and Whitehorse Beach in Plymouth; 6.5 inches in Pocasset and West Tisbury on Martha's Vineyard, and also in Somerset; 6.2 inches in Carver and Fairhaven; and 6.0 inches in Bridgewater, New Bedford, and West Wareham.								
MAZ002>004-008>011			<b>Western Franklin - Eastern Franklin - Northern Worcester - Western Hampshire - Western Hampden - Eastern Hampshire - Eastern Hampden</b>						
	29 30	2100EST 0300EST			0	0			<b>Heavy Snow</b>
	A low pressure system passing southeast of Cape Cod brought heavy snowfall of up to 7 inches to the highest elevations in Franklin, Hampshire, Hampden, and northern Worcester Counties. Some of the highest totals reported include 7.0 inches in Phillipston and Tully Lake, 6.6 inches in Westfield, 6.5 inches in Goshen, and 6.0 inches in Belchertown.								



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### MASSACHUSETTS, Central and East

**MAZ005>007-012>024** Western Middlesex - Western Essex - Eastern Essex - Southern Worcester - Western Norfolk - Southeast Middlesex - Suffolk - Eastern Norfolk - Northern Bristol - Western Plymouth - Eastern Plymouth - Southern Bristol - Southern Plymouth - Barnstable - Dukes - Nantucket

30	1200EST	0	0	Strong Winds
	2300EST			

**MAZ013** Western Norfolk

30	1748EST	0	0	High Wind (G52)
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A period of strong northwest winds occurred in eastern and southeastern Massachusetts in the wake of an intensifying storm system northeast of Cape Cod, which brought down arctic air into southern New England along with bitterly cold wind chills. Many areas reported gusts of 40 to 50 mph, with a peak gust of 60 mph at the Blue Hill Observatory in Milton. Some of the other higher gusts included 53 mph at Provincetown, 51 mph at Rockport and Nantucket, 50 mph at Sharon, 49 mph at Sharon, 48 mph at Orleans, 47 mph at Winthrop, and 46 mph at Pocasset. There were no reports of damage.

### NEW HAMPSHIRE, Southern

**NHZ011>012** Cheshire - Hillsborough

29	2200EST	0	0	Heavy Snow
30	0400EST			

A low pressure system passing southeast of Cape Cod brought snowfall totaling 4 to 8 inches to Cheshire and Hillsborough Counties. Totals of 6 inches or more included 7.6 inches in New Ipswich, 7.0 inches in Franconia and Jaffrey, and 6.3 inches in Troy.

### RHODE ISLAND

**RIZ004** Eastern Kent

04	1400EST	0	0	Record Warmth
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A new record high temperature for the month of December of 71 degrees was established for Providence at T.F. Green Airport in West Warwick. The previous record was 67 degrees which was set in 1982. This followed a couple of days after the high temperature of 63 degrees on December 2 broke the record high of 62 degrees which was set in 1985.

**RIZ004** Eastern Kent

07	1200EST	0	0	Record Warmth
	1500EST			

Unseasonably warm temperatures occurred throughout much of the state. High pressure over the western Atlantic generated an unusually warm westerly wind flow. A new record high temperature for the month of December of 77 degrees was established for Providence at T.F. Green Airport in West Warwick. The previous record was 71 degrees which was set just 3 days earlier on December 4. The high of 77 degrees also shattered the previous record high for the date, which was 63 degrees set in 1932.

**RIZ002** Southeast Providence

22	0400EST	0	0	Strong Winds
	1900EST			

The passage of a strong cold front brought an end to unseasonably mild temperatures. Strong west to northwest winds of at least 35 to 45 mph were reported across the state. A peak gust to 46 mph was reported in the city of Providence. There were no reports of damage.